

WHAT IS CLAIMED IS:

1. A zoom lens system comprising, in order from the front to the rear:

a first lens unit having negative optical
5 power;

a second lens unit having positive optical power;

a third lens unit having positive optical power;

10 a fourth lens unit having positive optical power; and

a fifth lens unit having positive optical power, wherein at least three lens units out of the first lens unit to the fifth lens unit move during
15 zooming, and

the following condition is satisfied:

$$1.63 < N_{sp} < 1.85$$

where N_{sp} is an average refractive index of a material of each positive lens element possessed by
20 the fifth lens unit.

2. A zoom lens system according to claim 1,

wherein the first lens unit and the fifth lens unit don't move for zooming.

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3. A zoom lens system according to claim 1, wherein the second lens unit, the third lens

unit, and the fourth lens unit move toward the front during zooming from a short focal length end to a long focal length end.

- 5 4. A zoom lens system according to claim 1,
 wherein the following condition is satisfied:
 $0.5 < |f_w/f_1| < 1.0$

 where f_1 is a focal length of the first lens
unit and f_w is a focal length of an entire system at
10 a wide-angle end.

5. A zoom lens system according to claim 1,
 wherein the number of lens elements possessed
by the fourth lens unit is equal to or less than four.
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6. A zoom lens system according to claim 1
further comprising:
 an aperture stop that is arranged one of inside
of the third lens unit and in the vicinity of the
20 third lens unit,
 wherein the aperture stop moves integrally with
the third lens unit during zooming.

7. A zoom lens system according to claim 1,
25 wherein the following condition is satisfied:
 $1.2 < f_5/f_w < 4$
 where f_w is a focal length of an entire system

at a wide-angle end and f_5 is a focal length of the fifth lens unit.

8. A zoom lens system according to claim 1,
5 wherein the first lens unit moves at the time of focusing.

9. A projector comprising:
a display element that displays an original
10 image; and
the zoom lens system according to claim 1,
which projects the original image displayed by the display element onto a screen.

15 10. A camera comprising:
the zoom lens system according to claim 1; and
a solid-state image pickup element that
receives an image formed by the zoom lens system.